

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071315\
 Data File : BF080448.D
 Acq On : 14 Jul 2015 5:11
 Operator : TP/UM
 Sample : G2945-18
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

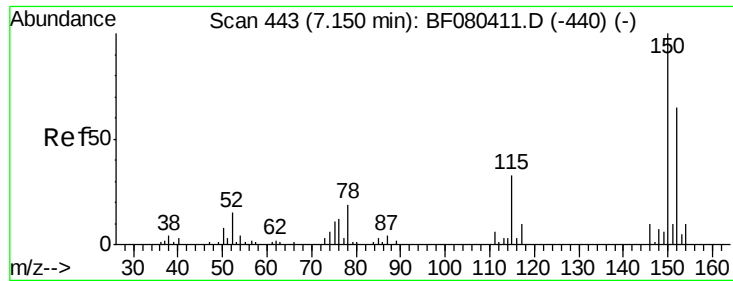
Instrument :
 BNA_F
 ClientSampleId :
 TE-MW-1A-11

Quant Time: Jul 14 07:26:36 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 14 00:52:37 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	13847	20.00	ng	0.00
21) Naphthalene-d8	8.42	136	60509	20.00	ng	0.00
38) Acenaphthene-d10	10.18	164	31879	20.00	ng	0.00
63) Phenanthrene-d10	11.68	188	62344	20.00	ng	-0.01
75) Chrysene-d12	14.52	240	78804	20.00	ng	-0.19
86) Perylene-d12	16.27	264	87284	20.00	ng	-0.32
System Monitoring Compounds						
5) 2-Fluorophenol	5.77	112	49283	60.99	ng	0.00
7) Phenol-d6	6.78	99	37746	35.06	ng	0.01
23) Nitrobenzene-d5	7.70	82	86623	81.65	ng	0.00
41) 2,4,6-Tribromophenol	10.97	330	30898	99.31	ng	-0.01
44) 2-Fluorobiphenyl	9.49	172	195726	82.69	ng	0.00
78) Terphenyl-d14	13.30	244	249634	68.80	ng	-0.10
Target Compounds						
9) Benzaldehyde	6.91	77	2142	3.60	ng	Qvalue 87
19) n-Nitroso-di-n-propylamine	7.70	70	10670	14.48	ng	# 82
25) Isophorone	7.70	82	86621	45.56	ng	# 73
47) 2-Nitroaniline	9.49	65	305	5.06	ng	# 1
49) Dimethylphthalate	9.89	163	6255	2.60	ng	# 93
50) 2,6-Dinitrotoluene	10.18	165	3907	7.22	ng	# 24
56) 2,4-Dinitrotoluene	10.18	165	3907	6.18	ng	# 9
66) 4-Bromophenyl-phenylether	10.97	248	2680	4.03	ng	# 1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

```
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Operator  : TP/UM  
Sample    : G2945-18  
Misc      :  
ALS Vial  : 20    Sample Multiplier: 1
```



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.14 min Scan# 442

Delta R.T. -0.00 min

Lab File: BF080448.D

Acq: 14 Jul 2015 5:11

Instrument :

BNA_F

ClientSampleId :

TE-MW-1A-11

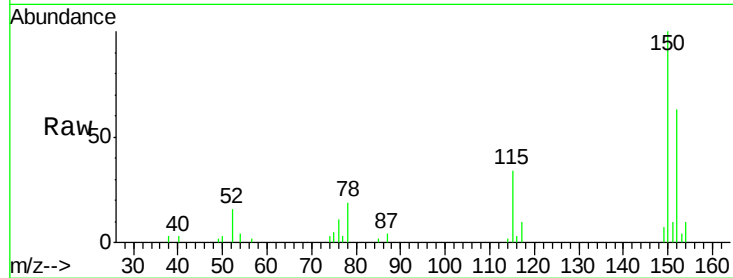
Tgt Ion:152 Resp: 13847

Ion Ratio Lower Upper

152 100

150 157.8 122.3 183.5

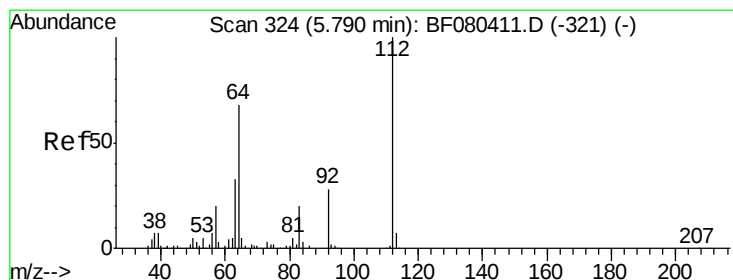
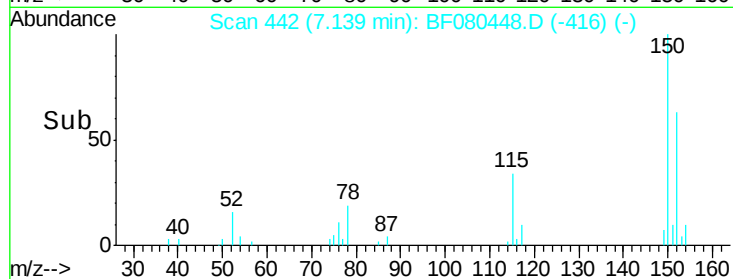
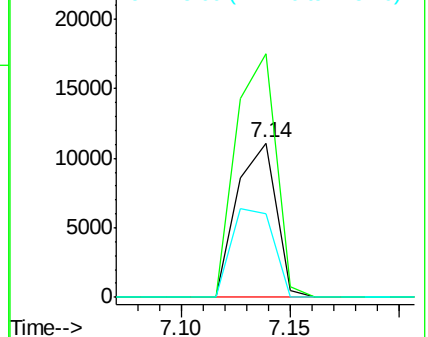
115 54.0 41.0 61.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 60.99 ng

RT: 5.77 min Scan# 322

Delta R.T. -0.00 min

Lab File: BF080448.D

Acq: 14 Jul 2015 5:11

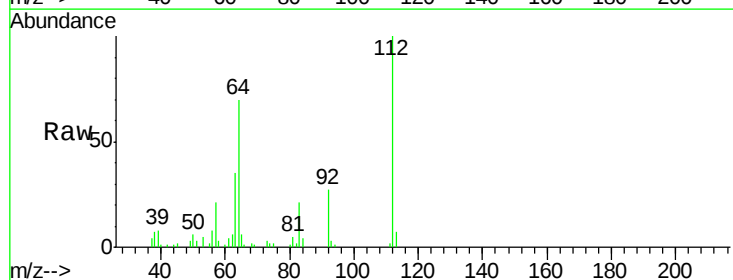
Tgt Ion:112 Resp: 49283

Ion Ratio Lower Upper

112 100

64 69.7 54.3 81.5

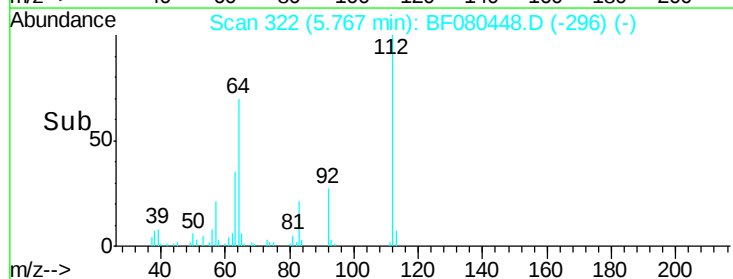
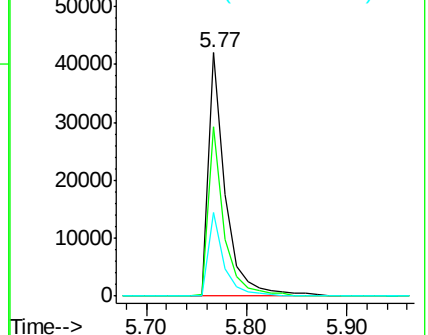
63 34.5 26.7 40.1

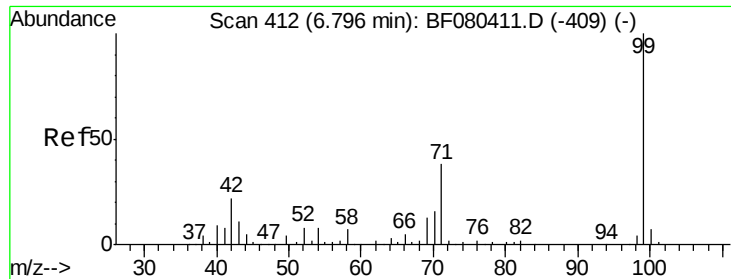


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 35.06 ng

RT: 6.78 min Scan# 411

Delta R.T. 0.01 min

Lab File: BF080448.D

Acq: 14 Jul 2015 5:11

Instrument :

BNA_F

ClientSampleId :

TE-MW-1A-11

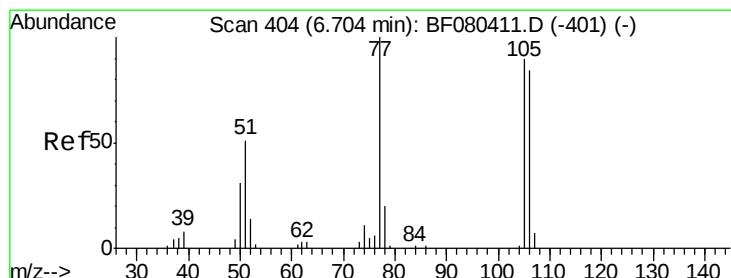
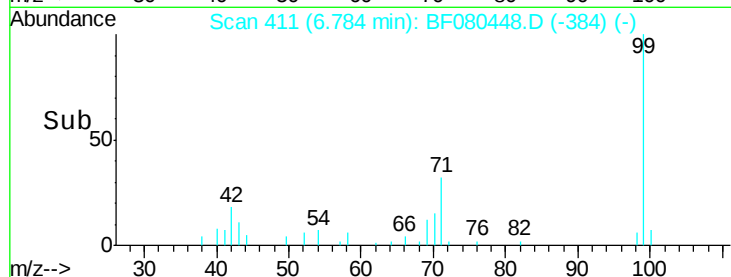
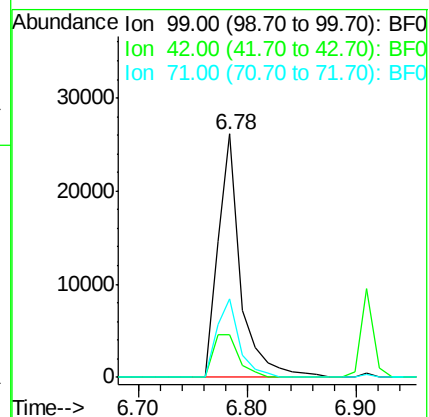
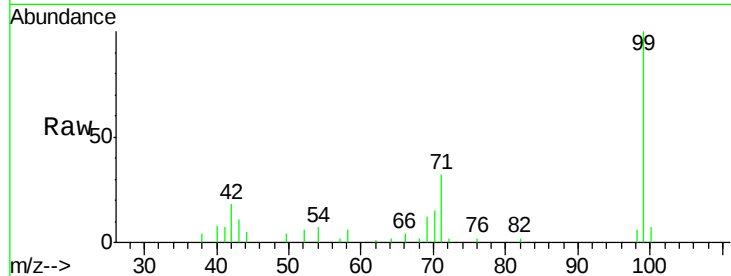
Tgt Ion: 99 Resp: 37746

Ion Ratio Lower Upper

99 100

42 17.5 17.9 26.9#

71 32.3 30.1 45.1



#9

Benzaldehyde

Concen: 3.60 ng

RT: 6.91 min Scan# 422

Delta R.T. 0.22 min

Lab File: BF080448.D

Acq: 14 Jul 2015 5:11

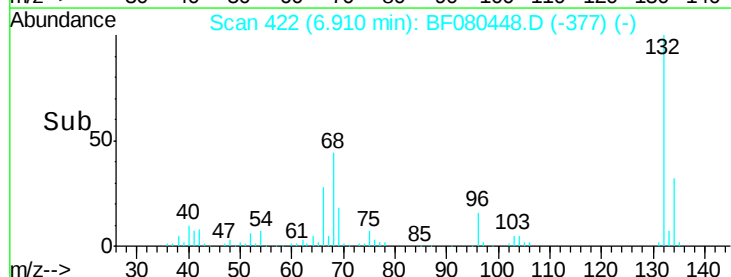
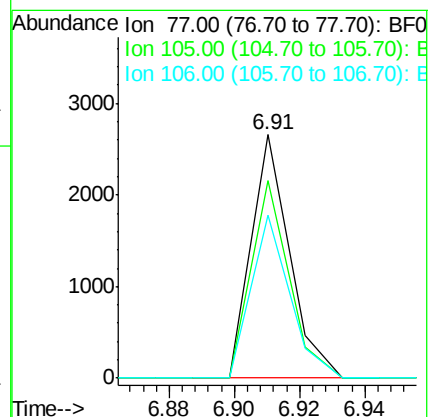
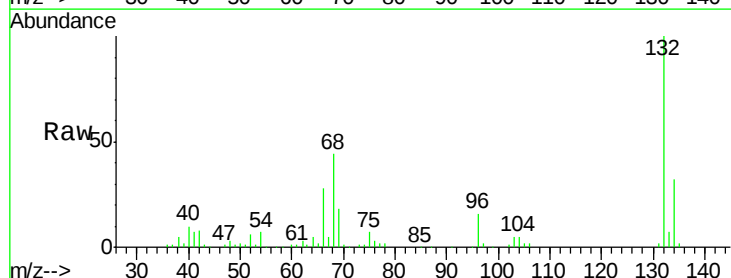
Tgt Ion: 77 Resp: 2142

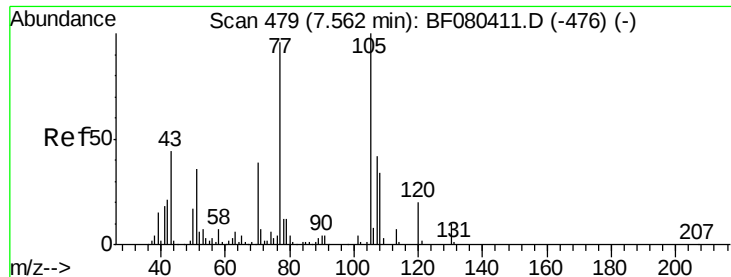
Ion Ratio Lower Upper

77 100

105 81.2 69.6 109.6

106 67.0 63.6 103.6

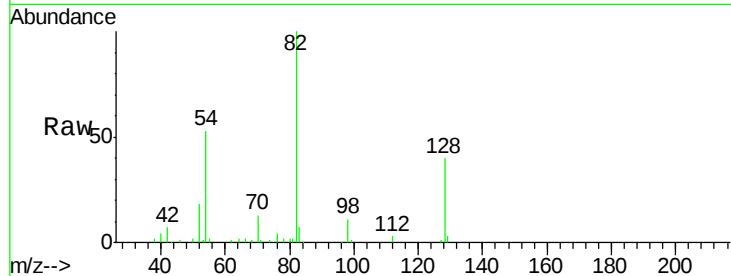




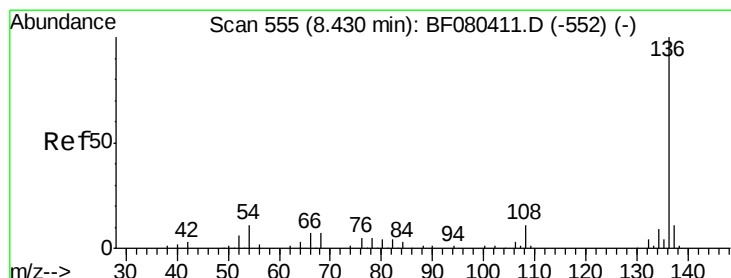
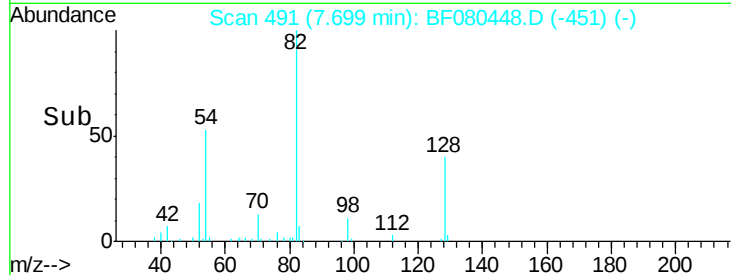
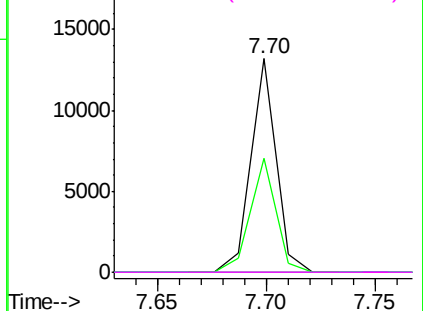
#19
n-Nitroso-di-n-propylamine
Concen: 14.48 ng
RT: 7.70 min Scan# 491
Delta R.T. 0.16 min
Lab File: BF080448.D
Acq: 14 Jul 2015 5:11

Instrument :
BNA_F
ClientSampleId :
TE-MW-1A-11

Tgt Ion: 70 Resp: 10670
Ion Ratio Lower Upper
70 100
42 53.6 43.4 65.0
101 0.0 9.0 13.6#
130 0.0 19.5 29.3#

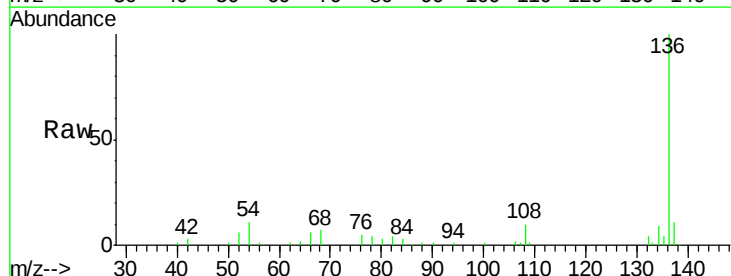


Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

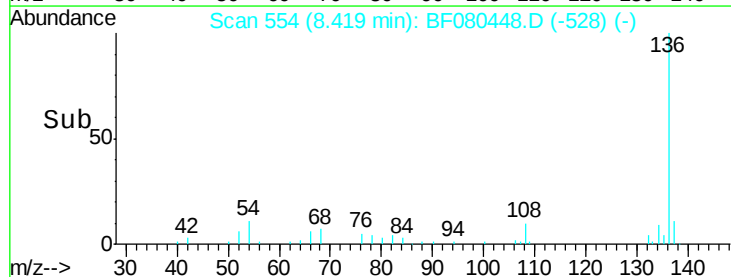
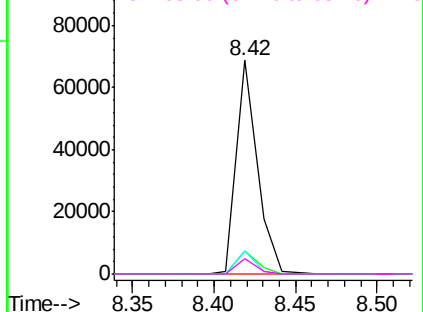


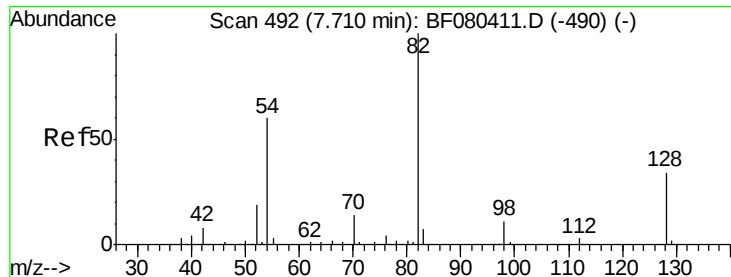
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.42 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF080448.D
Acq: 14 Jul 2015 5:11

Tgt Ion: 136 Resp: 60509
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 11.0 9.1 13.7
68 7.5 5.9 8.9



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

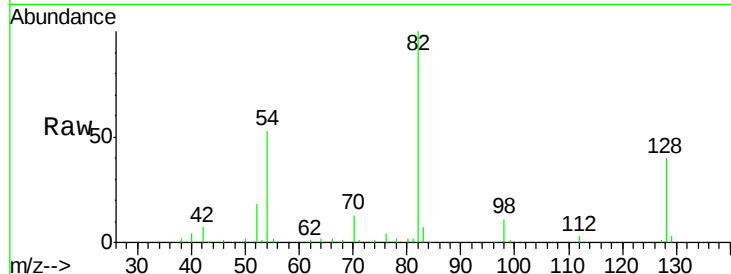




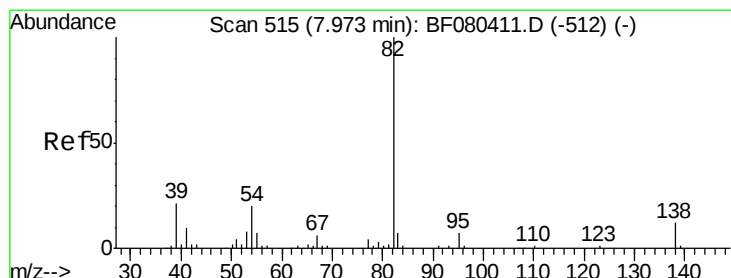
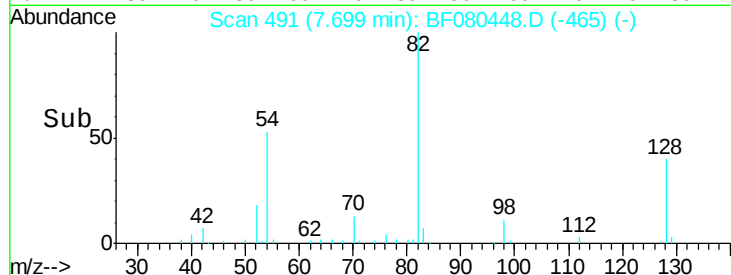
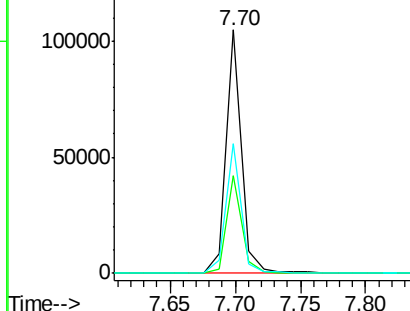
#23
 Nitrobenzene-d5
 Concen: 81.65 ng
 RT: 7.70 min Scan# 491
 Delta R.T. -0.00 min
 Lab File: BF080448.D
 Acq: 14 Jul 2015 5:11

Instrument :
 BNA_F
 ClientSampleId :
 TE-MW-1A-11

Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.9	26.9	40.3
54	53.4	47.7	71.5

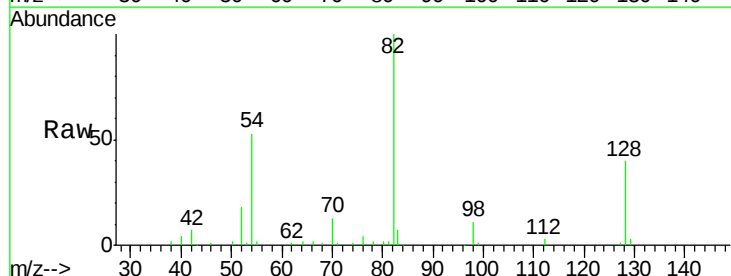


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

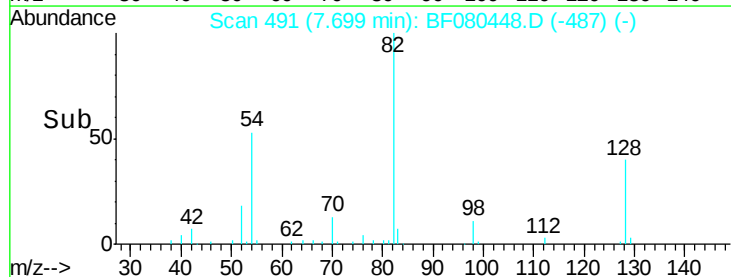
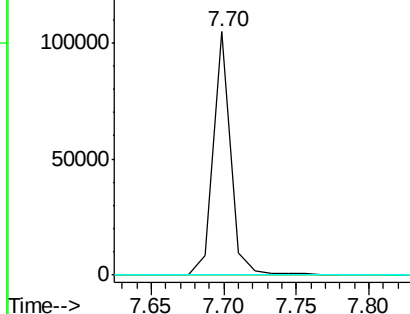


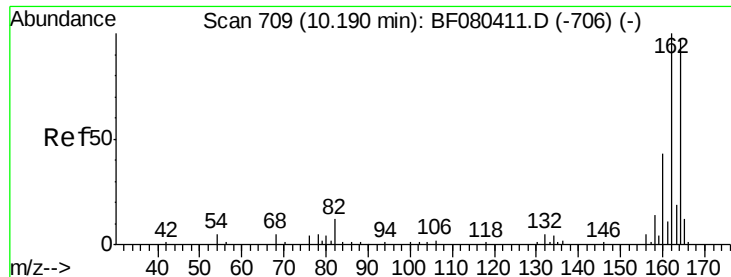
#25
 Isophorone
 Concen: 45.56 ng
 RT: 7.70 min Scan# 491
 Delta R.T. -0.25 min
 Lab File: BF080448.D
 Acq: 14 Jul 2015 5:11

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.2#
138	0.0	9.5	14.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.18 min Scan# 708

Delta R.T. -0.00 min

Lab File: BF080448.D

Acq: 14 Jul 2015 5:11

Instrument :

BNA_F

ClientSampleId :

TE-MW-1A-11

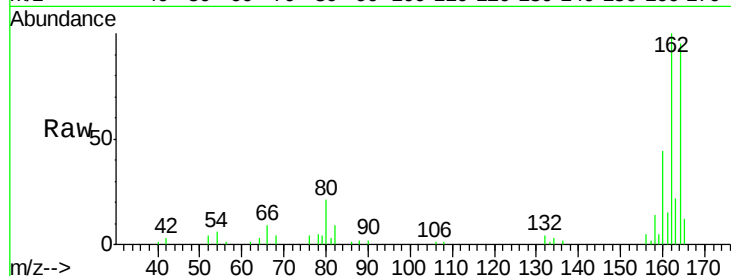
Tgt Ion:164 Resp: 31879

Ion Ratio Lower Upper

164 100

162 105.1 82.7 124.1

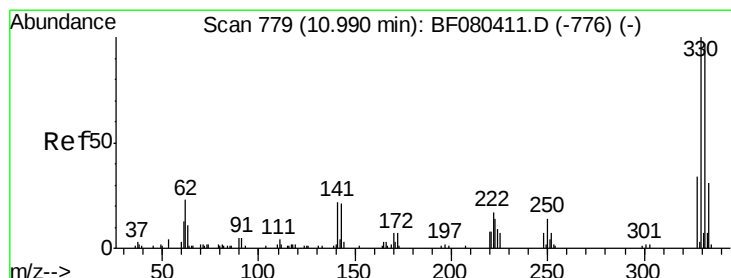
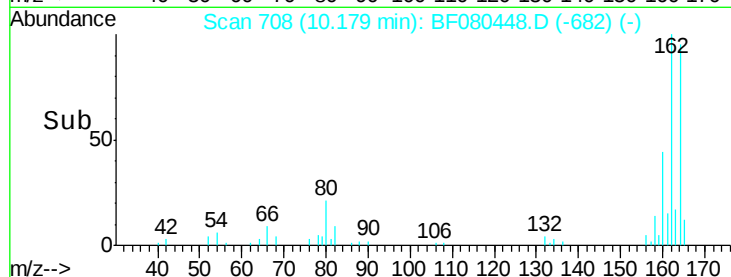
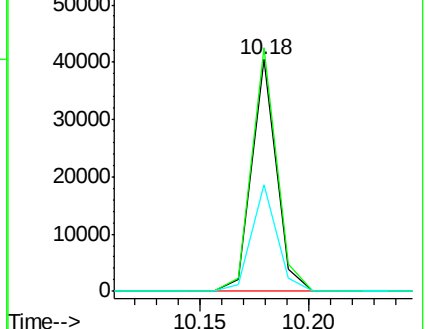
160 45.9 35.5 53.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 99.31 ng

RT: 10.97 min Scan# 777

Delta R.T. -0.01 min

Lab File: BF080448.D

Acq: 14 Jul 2015 5:11

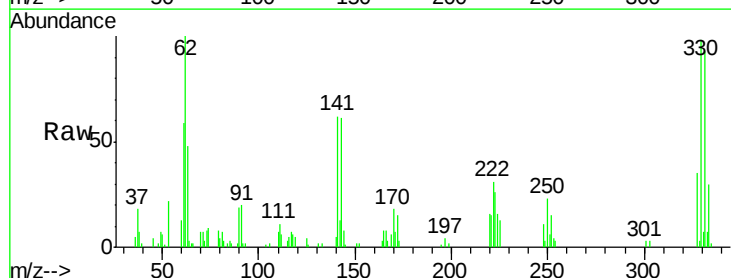
Tgt Ion:330 Resp: 30898

Ion Ratio Lower Upper

330 100

332 99.0 78.0 117.0

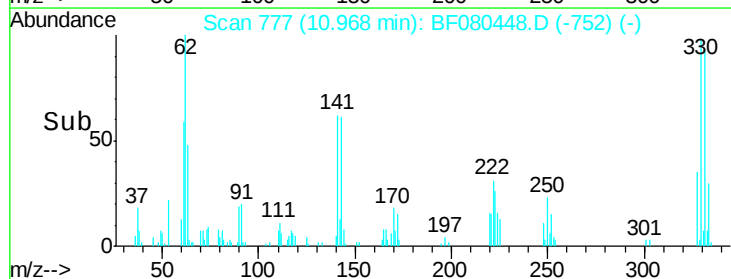
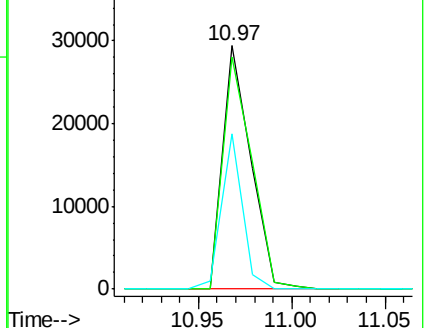
141 48.0 28.6 43.0#

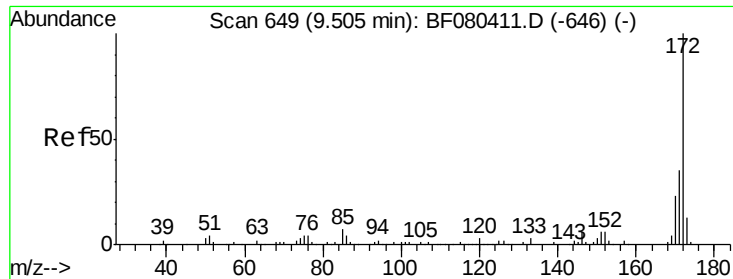


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

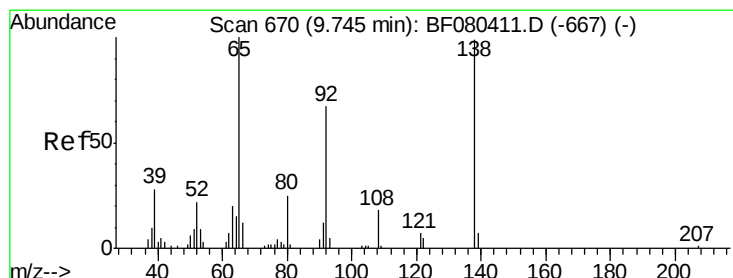
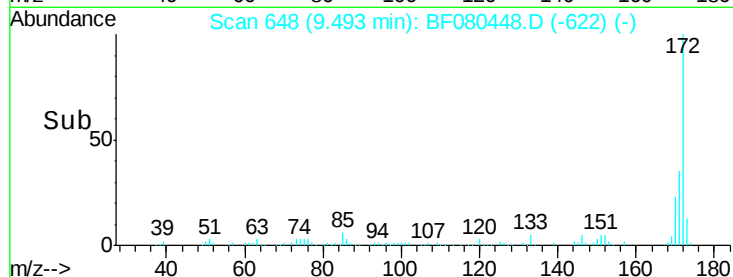
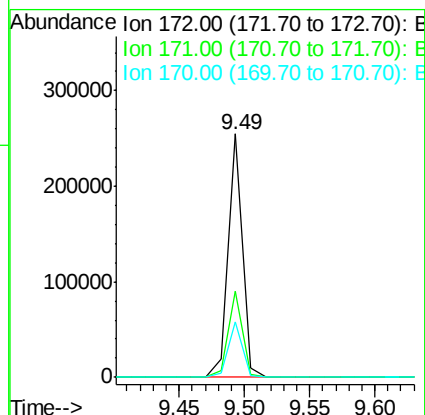
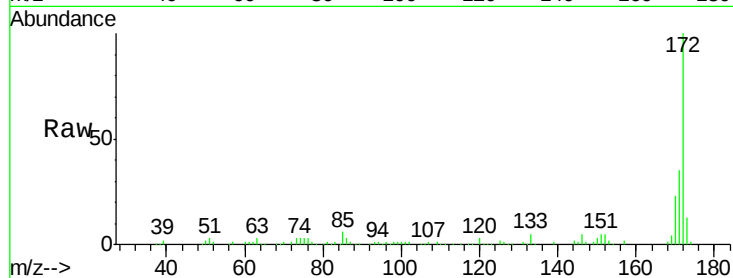




#44
 2-Fluorobiphenyl
 Concen: 82.69 ng
 RT: 9.49 min Scan# 648
 Delta R.T. -0.00 min
 Lab File: BF080448.D
 Acq: 14 Jul 2015 5:11

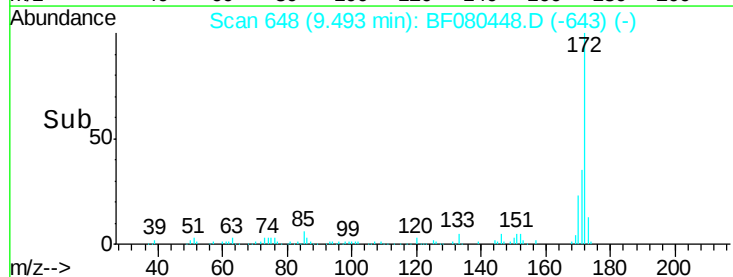
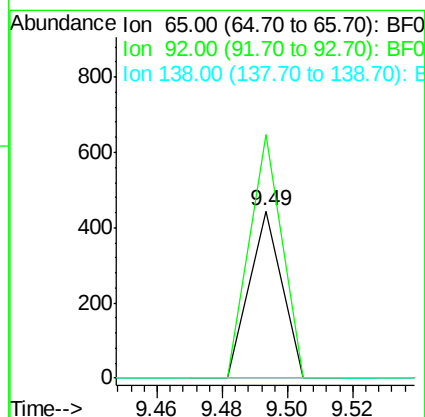
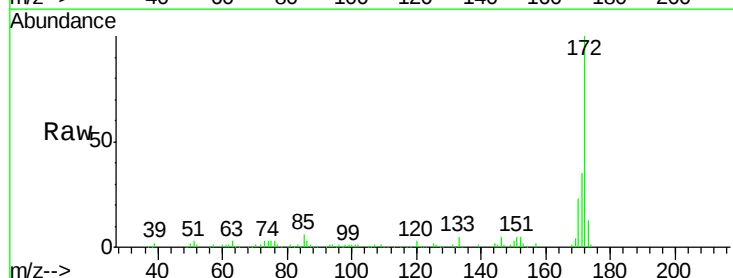
Instrument :
 BNA_F
 ClientSampleId :
 TE-MW-1A-11

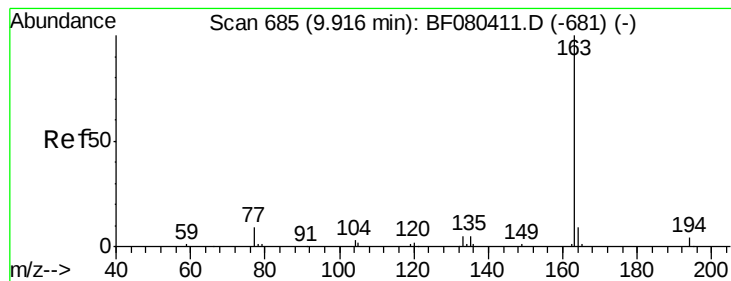
Tgt Ion: 172 Resp: 195726
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.4 42.6
 170 23.0 18.6 28.0



#47
 2-Nitroaniline
 Concen: 5.06 ng
 RT: 9.49 min Scan# 648
 Delta R.T. -0.24 min
 Lab File: BF080448.D
 Acq: 14 Jul 2015 5:11

Tgt Ion: 65 Resp: 305
 Ion Ratio Lower Upper
 65 100
 92 145.4 53.2 79.8#
 138 0.0 78.9 118.3#





#49

Dimethylphthalate

Concen: 2.60 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.00 min

Lab File: BF080448.D

Acq: 14 Jul 2015 5:11

Instrument :

BNA_F

ClientSampleId :

TE-MW-1A-11

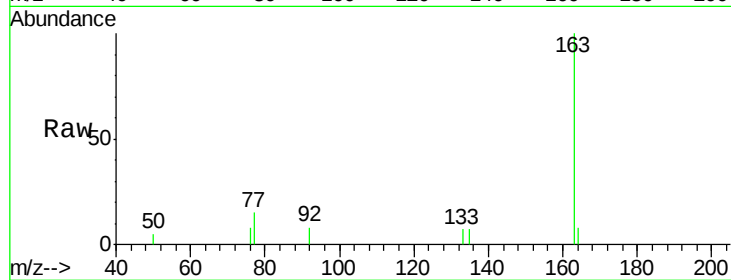
Tgt Ion:163 Resp: 6255

Ion Ratio Lower Upper

163 100

194 0.0 3.4 5.2#

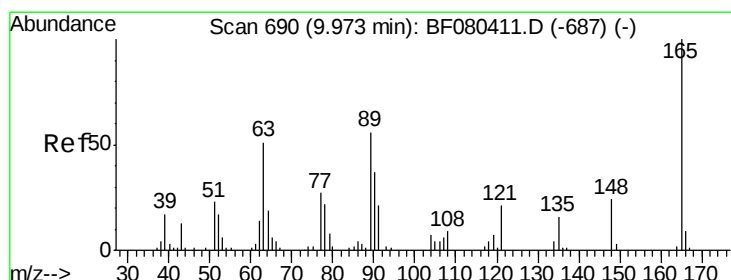
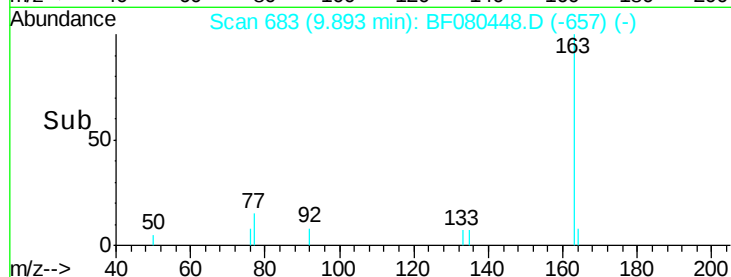
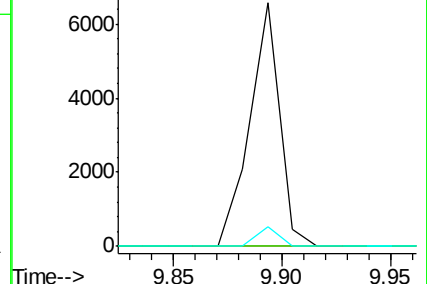
164 7.9 7.4 11.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 7.22 ng

RT: 10.18 min Scan# 708

Delta R.T. 0.22 min

Lab File: BF080448.D

Acq: 14 Jul 2015 5:11

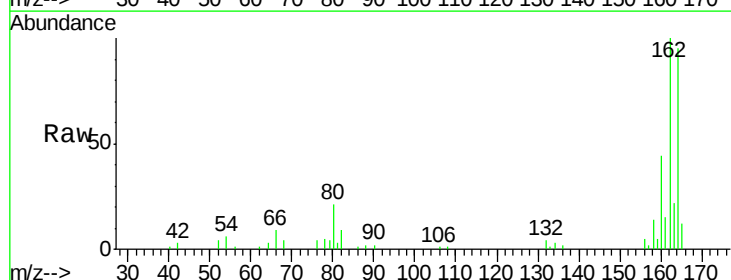
Tgt Ion:165 Resp: 3907

Ion Ratio Lower Upper

165 100

63 0.0 44.5 66.7#

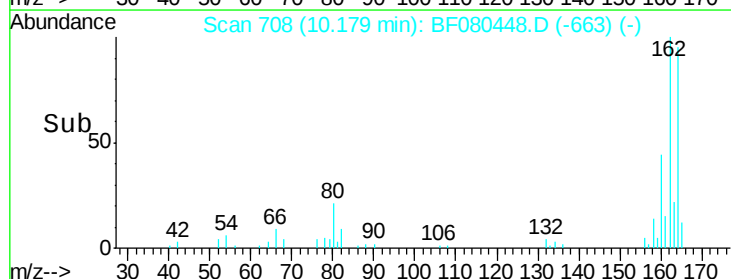
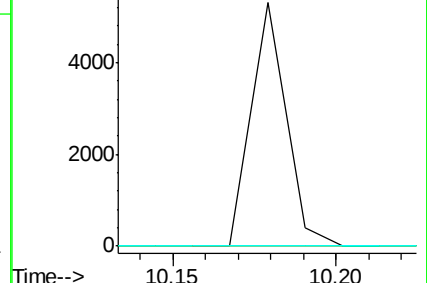
89 0.0 44.5 66.7#

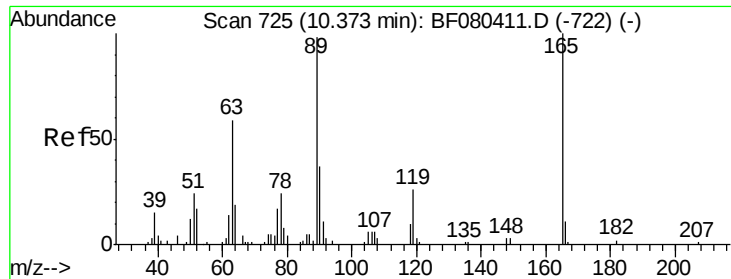


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

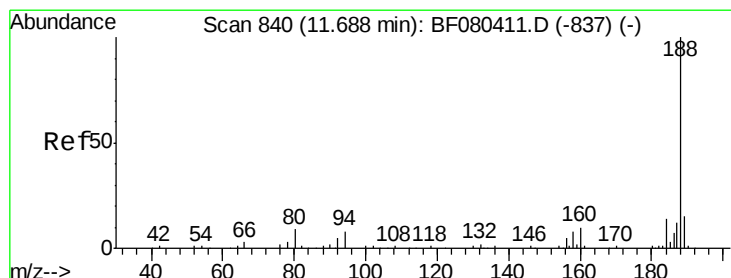
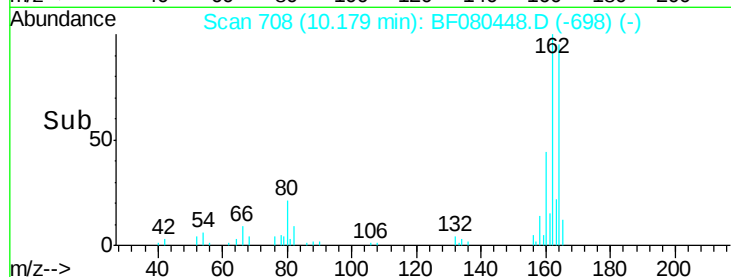
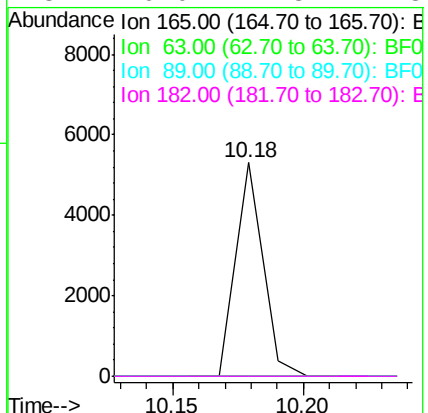
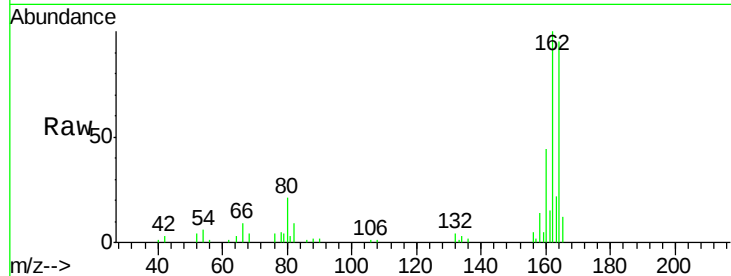




#56
 2,4-Dinitrotoluene
 Concen: 6.18 ng
 RT: 10.18 min Scan# 708
 Delta R.T. -0.18 min
 Lab File: BF080448.D
 Acq: 14 Jul 2015 5:11

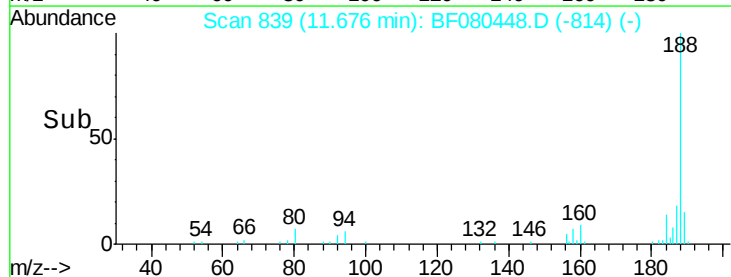
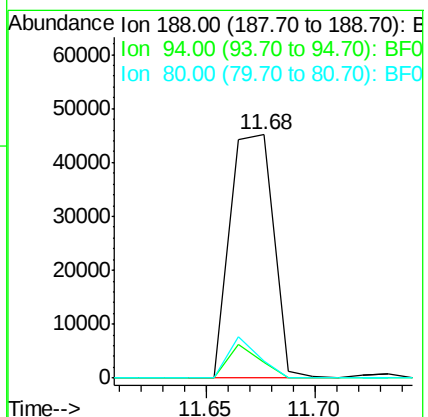
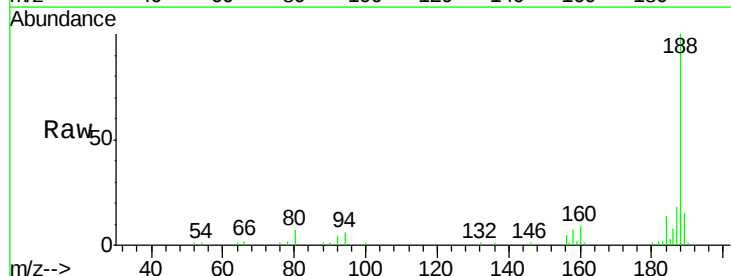
Instrument :
 BNA_F
 ClientSampleId :
 TE-MW-1A-11

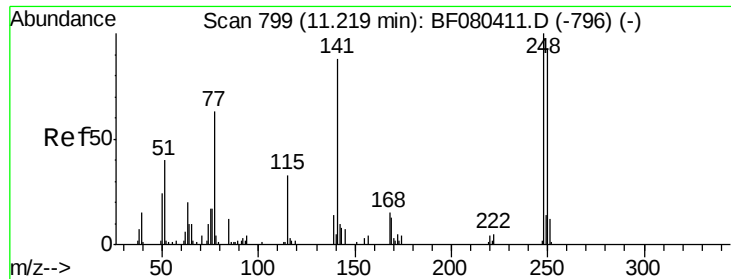
Tgt Ion:	165	Resp:	3907
Ion Ratio	Lower	Upper	
165	100		
63	0.0	51.7	77.5#
89	0.0	78.6	117.8#
182	0.0	1.8	2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.68 min Scan# 839
 Delta R.T. -0.01 min
 Lab File: BF080448.D
 Acq: 14 Jul 2015 5:11

Tgt Ion:	188	Resp:	62344
Ion Ratio	Lower	Upper	
188	100		
94	6.2	6.7	10.1#
80	7.1	7.5	11.3#

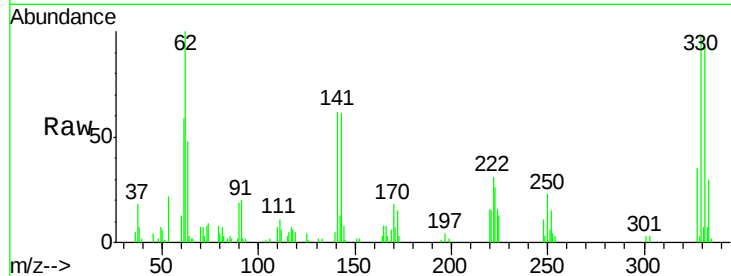




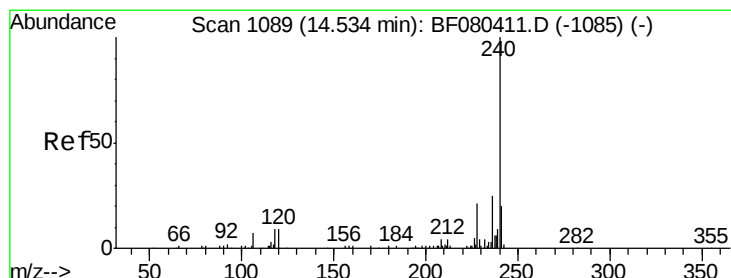
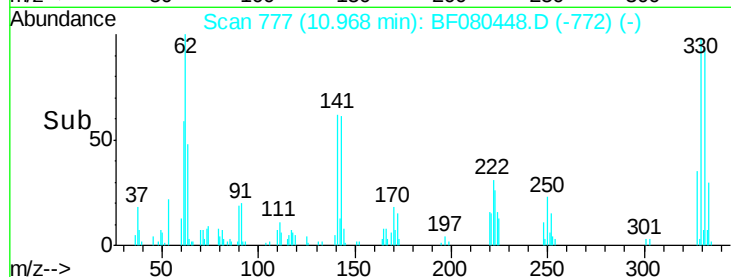
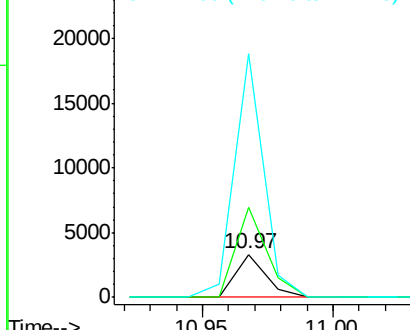
#66
4-Bromophenyl-phenylether
Concen: 4.03 ng
RT: 10.97 min Scan# 777
Delta R.T. -0.24 min
Lab File: BF080448.D
Acq: 14 Jul 2015 5:11

Instrument :
BNA_F
ClientSampleId :
TE-MW-1A-11

Tgt Ion:248 Resp: 2680
Ion Ratio Lower Upper
248 100
250 208.0 74.2 111.4#
141 566.3 70.7 106.1#

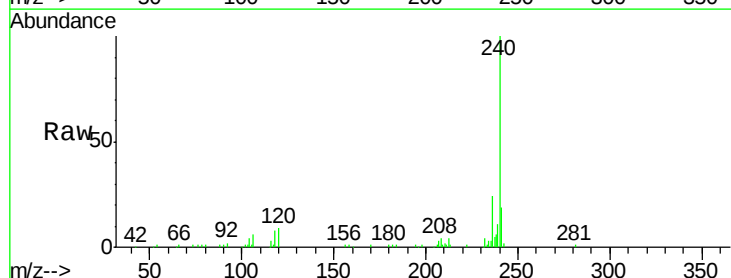


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

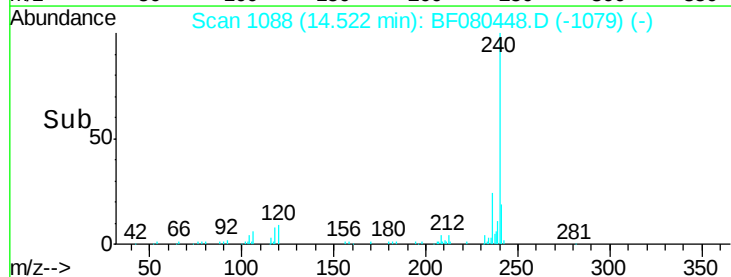
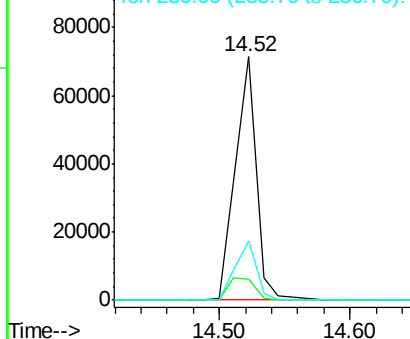


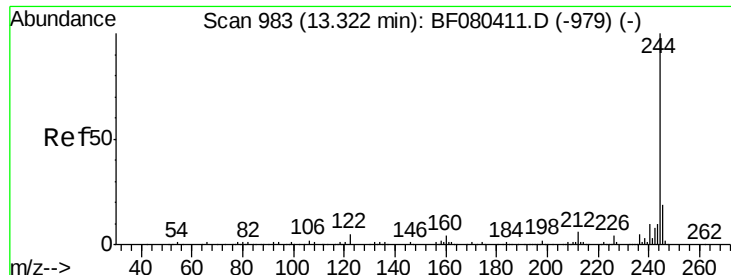
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.52 min Scan# 1088
Delta R.T. -0.19 min
Lab File: BF080448.D
Acq: 14 Jul 2015 5:11

Tgt Ion:240 Resp: 78804
Ion Ratio Lower Upper
240 100
120 8.7 7.4 11.2
236 24.5 19.7 29.5



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 68.80 ng

RT: 13.30 min Scan# 981

Delta R.T. -0.10 min

Lab File: BF080448.D

Acq: 14 Jul 2015 5:11

Instrument :

BNA_F

ClientSampleId :

TE-MW-1A-11

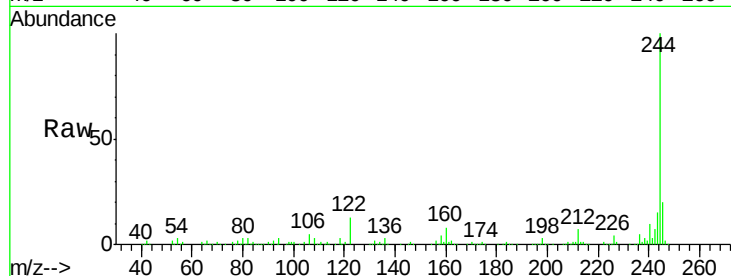
Tgt Ion:244 Resp: 249634

Ion Ratio Lower Upper

244 100

212 7.3 4.9 7.3#

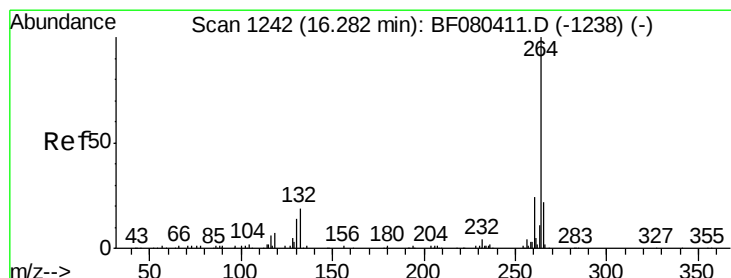
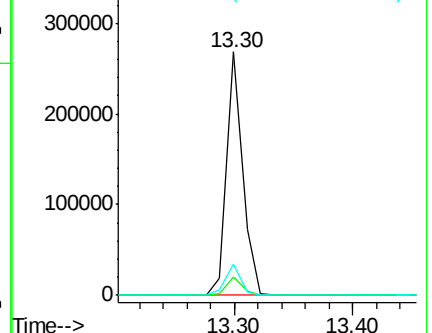
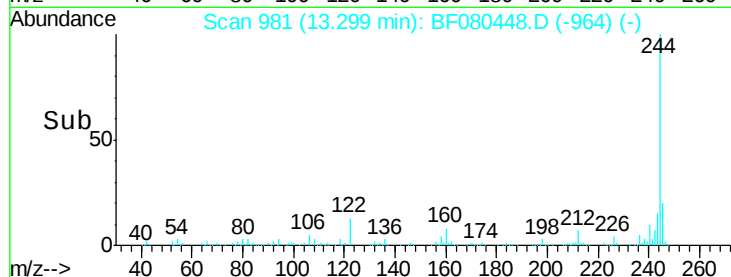
122 12.8 4.1 6.1#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.27 min Scan# 1241

Delta R.T. -0.32 min

Lab File: BF080448.D

Acq: 14 Jul 2015 5:11

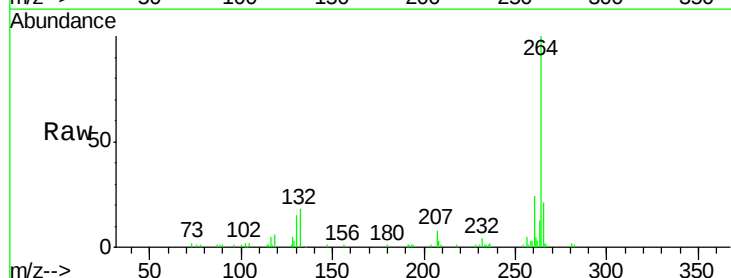
Tgt Ion:264 Resp: 87284

Ion Ratio Lower Upper

264 100

260 24.0 19.4 29.2

265 20.7 17.8 26.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

